

Annexure-I

List of MVTR items identified for shifting to CPRI			
Sl No	Item Description	Unit	Qty
1	420 kV Disconnecter Pantograph 1-Ph type 2000A, 40KA for 1 sec, vertical break, two arms without earthing switch	Nos	6
2	Insulator for above isolator	Nos	6
3	420KV Bus Post Insulators for lab transformer supply section	Nos	33
4	420kV Surge Arrestor 1- Ph Metal Oxide Surge arrester 336 KV	Nos	4
5	245kV Disconnecter 1-ph Pantograph type 2000A, 40 KA for 1 sec. Vertical Break Two Arms	Nos	5
6	Insulator for above Isolator	Nos	5
7	100 kV Inductive Voltage Transformers 1-Phase Ratio 100,000/ $\sqrt{3}$ /110/ $\sqrt{3}$ /110/ $\sqrt{3}$ V, 50-50VA, Cl. 0.2- 0.2	Nos	3
8	100kV RCVT ratio 220000/110/110, mixed C-R.2 MHZ	Nos	3
9	100 kV disconnecter 3-phase DOUBLE BREAK-HORIZONTAL TYPE 4000A, 80KA, double break, horizontal type with one E/S	Set	2
10	100 kV disconnecter 3-phase DOUBLE BREAK-HORIZONTAL TYPE 2000A, 20KA, double break, horizontal type with one E/S	Set	1
11	100 kV Current Transformer 1-Phase, 4000/5-5-5A, 30-30-30VA, Cl. 0.2-5P30-5P30, 80KA for 1 sec.	Nos.	3
12	100 kV Circuit Breakers 3-Phase with support structure 4000A, 80KA for 1 sec, without closing resistor	Set	1
13	SF6 gas for above circuit breaker	Lot	1
14	Structure for above circuit breaker	Lot	1
15	100KV Bus Post Insulators for MVTR section	Nos.	930
16	100 kV Shunts 1-Phase 100 $\mu\Omega$, 20 kA, 1 sec ON-30min OFF	Nos.	3
17	100 KV Surge arrester 1-phase Metal oxide Surge arrester 75 KV	Nos.	3
18	100kV Vertical Disconnecter 1-phase SINGLE BREAK- 130kA rms for 0.3s (Short circuit condition), earthing switch	Set	4
19	100kV Vertical Disconnecter 1-phase SINGLE BREAK- 4000A, 40KA, (Normal duty) vertical break, disconnecter	Set	72
Mandatory Spares			
20	420 kV Isolator (1-phase) VERTICAL BREAK-TWO ARMS PHANTOGRAPH TYPE	LOT	1
21	336 KV Surge arrester	LOT	1
22	245 kV isolator (1-phase) VERTICAL BREAK-TWO ARMS PHANTOGRAPH TYPE	LOT	1
23	216 KV Surge arrester	LOT	1
24	100 kV Inductive Voltage Transformer (1-phase)	LOT	1
25	100 kV resistive Capacitive voltage Transformer (1-phase)	LOT	1
26	100 kV Isolator (1-phase) VERTICAL BREAK-TWO ARMS PHANTOGRAPH TYPE	LOT	1
27	100 kV Current Transformer (1-phase)	LOT	1
28	100 kV Circuit Breakers (3-phase) with support structure	LOT	1
29	100 kV Isolator (1-phase) DOUBLE BREAK-HORIZONTAL TYPE	LOT	1
30	100 kV Shunts (1-phase)	LOT	1
31	75 KV Surge arrester	LOT	1
32	12 kV Shunts (1-phase)	LOT	1
33	Trench 100kV Reactors	Set	3